

INTERNATIONAL SEARCH REPORT

PCT/GB2004/000984

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16B13/08 F16B13/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 3 523 482 A (PLOCH HENRY W ET AL) 11 August 1970 (1970-08-11) figures 1-3 column 1, line 48 - column 3, line 38 -----	1,3-6 2,7-10
X A	US 4 246 688 A (RISDON GRANT S) 27 January 1981 (1981-01-27) the whole document -----	1,3-5 2,6-10
X A	US 2003/017024 A1 (WIESER JURGEN ET AL) 23 January 2003 (2003-01-23) figure 3 claims 1,6,7 -----	1,3-6 2,7-10
X A	DE 100 15 202 A (HILTI AG) 4 October 2001 (2001-10-04) figure 3 claims 5,8 -----	1,3-6 2,7-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

8 June 2004

Date of mailing of the international search report

22/06/2004

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Information on patent family members

PCT/GB2004/000984

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 3523482	A	11-08-1970	NONE		
US 4246688	A	27-01-1981	NONE		
US 2003017024	A1	23-01-2003	DE	10134605 A1	06-02-2003
			EP	1277973 A2	22-01-2003
DE 10015202	A	04-10-2001	DE	10015202 A1	04-10-2001